

Title (en)

Device to supply fluid to a consumer.

Title (de)

Vorrichtung zur Flüssigkeitsversorgung eines Verbrauchers.

Title (fr)

Dispositif d'alimentation en fluide d'un consommateur.

Publication

EP 0148352 A1 19850717 (DE)

Application

EP 84113172 A 19841102

Priority

DE 3340467 A 19831109

Abstract (en)

1. A device for the supply of liquid to a hydraulic motor (1), which is connected with a feed (5) duct adapted to be supplied by a pump (2) and with a return duct (6) opening into a reservoir (3) which is not under pressure, the feed duct (5) being arranged within the return duct (6) constituting a shield duct and in which a residual pressure is maintained which is substantially lower than the working pressure in the feed duct characterized in that in the case of the supply of liquid to a hydraulic motor (1) incorporated in mobile equipment the residual pressure in the return duct (6) is detected by means of a sensor (15), which at least in the case of a drop of the sensed residual pressure under a certain minimum level shuts off the supply of liquid via the feed duct, which may be shut off by means of a valve (7), whose actuating member (10) is able to be operated by a means of a manual switch (8) associated with the hydraulic motor (1), such switch having a control output which is subject to the control output of the sensor (15).

Abstract (de)

Bei einer Vorrichtung zur Flüssigkeitsversorgung eines Hydraulikmotors (1) mit einer durch eine Pumpe (2) beaufschlagbaren Vorlaufleitung und einer in ein Reservoir (3) mündenden Rücklaufleitung (6) läßt sich dadurch eine hohe Sicherheit erreichen, daß die Vorlaufleitung (5) innerhalb der Rücklaufleitung (6) angeordnet ist, in welcher ein Restdruck aufrechterhalten wird, der mittels eines Fühlers (15) abgetastet wird, der im Falle einer unzulässigen Abweichung des Restdrucks in der Rücklaufleitung (6) von einem vorgegebenen Druckniveau die Beaufschlagung der Vorlaufleitung (5) mit Hydraulikflüssigkeit sperrt.

IPC 1-7

F17D 5/04; **F15B 20/00**; **B23Q 1/00**

IPC 8 full level

B23Q 1/00 (2006.01); **F15B 20/00** (2006.01); **F17D 5/04** (2006.01)

CPC (source: EP)

B23Q 1/0018 (2013.01); **F15B 20/00** (2013.01); **F16L 39/02** (2013.01); **F17D 5/04** (2013.01); **F16L 2201/30** (2013.01)

Citation (search report)

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EP 0148352 A1 19850717; **EP 0148352 B1 19880330**; AT E33300 T1 19880415; DE 3340467 A1 19850605; DE 3340467 C2 19860403; DE 3470206 D1 19880505

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